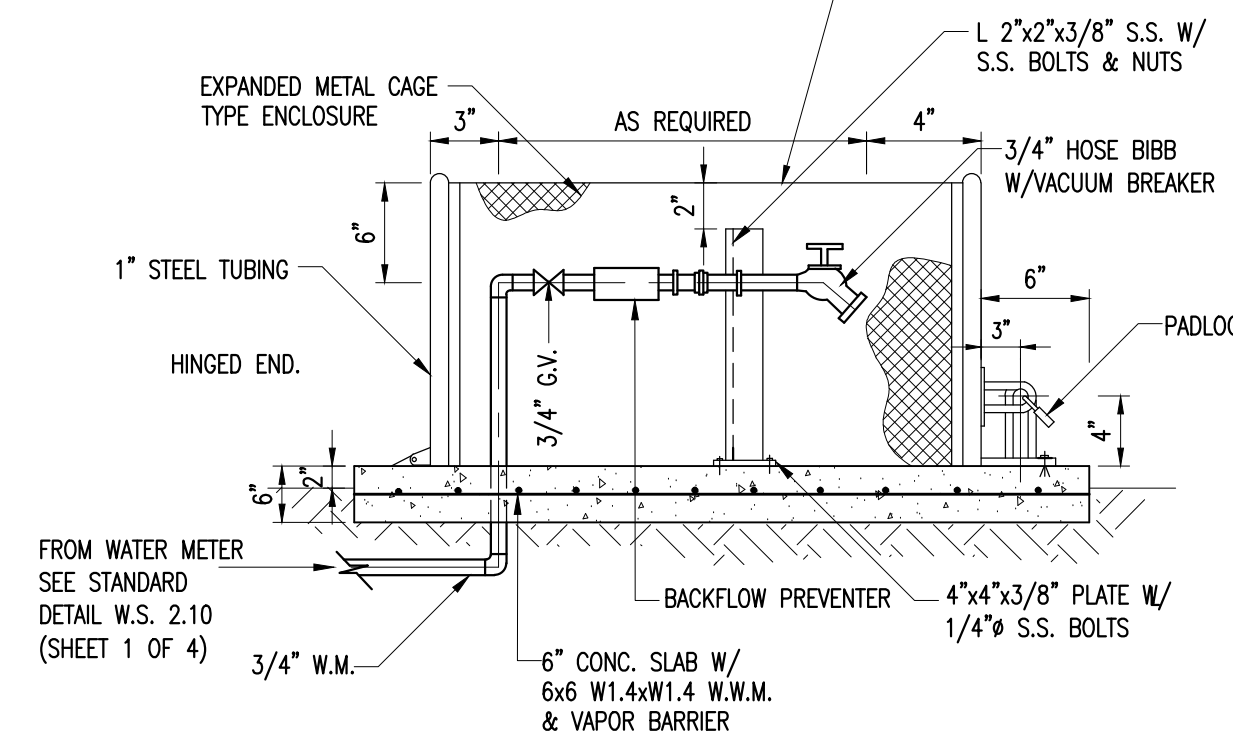


DETAIL 



MECHANICAL NOTES (AS APPLICABLE):

- 1). THE STANDARD DRAWINGS PRESENTED ARE BASED ON MINIMUM OF 6" DISCHARGE FORCE MAIN.
- 2). THE CONTRACTOR SHALL VERIFY EXISTING UNDERGROUND UTILITIES IN APPLICATIONS, ELEVATIONS, AND QUALITIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL VERIFY EXISTING PIPING TO REMAIN BEFORE ORDERING NEW PIPE AND FITTINGS FOR CONNECTIONS. THE CONTRACTOR SHALL INSPECT AND VERIFY ALL SITE CONDITIONS, DIMENSIONS, ELEVATIONS ETC. AND COORDINATE WITH OTHER TRADES PRIOR TO CONSTRUCTION. WORK SHALL BE SCHEDULED ACCORDING TO SPECIFIED CONSTRUCTION SEQUENCE.
- 3). PAY ATTENTION TO AVOID DISTURBING EXISTING ELECTRICAL SERVICE IN THE AREA UNDER CONSTRUCTION (FOR EXISTING FACILITIES ONLY).
- 4). ALL ELEVATIONS FOR UNDERGROUND UTILITIES SHOWN ARE T.O.P. ELEVATIONS UNLESS OTHERWISE SPECIFIED.
- 5). ALL PIPING, UNLESS SPECIFIED, TO USE DUCTILE IRON WITH LINING OF SEMER APPLICATION. FITTINGS AND CONNECTIONS UNDERGROUND TO USE MECHANICAL JOINT WITH RESTRANTS; FITTINGS ABOVE GROUND OR IN VAULT TO USE FLANGE JOINT.
- 6). PROTECT ALL UNDERGROUND FITTING WITH BOLT CONNECTIONS IN DIRECT CONTACT WITH SOIL WITH TWO COATS OF BITUMASTIC MATERIAL OR APPROVED EQUAL. PROVIDE DIELECTRIC FITTINGS BETWEEN TWO DIFFERENT PIPING MATERIALS.
- 7). PIPE SUPPORTS SHALL BE HOT-DIP GALVANIZED AFTER FABRICATION.
- 8). PROPOSED WET WELL SHALL BE CYLINDRICAL TYPE MADE OF REINFORCED CONCRETE WITH DEPTH NO GREATER THAN 24 FEET.
- 9). ALL PUMP CONTROLS SHALL BE SET AS PER DESIGN REQUIREMENTS.

PUMP DATA:			
FLUID		RAW SEWAGE	
INSTALLATION LOCATION		ADDRESS:	
PUMP TYPE	SUBMERSIBLE PUMP		
RATED POINT	CAPACITY, GPM	???	
	TDH, FEET	???	
SHUT OFF HEAD, FT		???	
CONTINUOUS OPERATING RANGE	MAXIMUM TDH, FT	???	
	CAPACITY, GPM	???	
	MINIMUM TDH, FT	???	
	CAPACITY, GPM	???	
	NPSHR, FT	???	
	PUMP EFFICIENCY	AT B.E.P., % MIN. Ø RUNOUT, %	
PUMP CONSTRUCTION	CASING IMPELLER	CAST IRON CLASS 35B	
	SHAFT	AISI 420 S.S.	
	BEARINGS L-10 LIFE, HRS.	???	
	MAX. SHAFT DEFLECTION IN OPERATING RANGE, MILS	2	
	MAX. VEL. OF VIBRATIONS IN OP. RANGE, INCH/SEC	0.15	
	SUCTION, INCHES	-	
	DISCHARGE, INCHES	???	
	ELECTRIC MOTOR	RATED HP	???
RPM		???	
VOLTS/PHASE/Hz/S.F.		???	
AMBIENT TEMP. FOR MOTOR RATING, °C		40	
MAXIMUM TEMP. RISE, °C		40	
BEARINGS L-10 LIFE, HRS.		???	
MAX. VIBRATION AMP., MILS		0.1	
NOISE LEVEL, dB@1 METER		-	
NEMA DESIGN CODE LETTER		B	
START. CURR. LETTER CODE		C	
INSULATION CLASS		H	
MOTOR RATED HP NOT OVERLOADED AT ANY POINT IN THE PUMPS PERFORMANCE CURVE			
MANUFACTURERS & MODELS	PUMP	??? MODEL ???, ??? IMPELLER	
	MOTOR	???	

ALL PUMP STATION PLANS SHALL BE DRAWN TO SCALE

WATER
AND
SEWER
DEPARTMENT
ENGINEERING DIVISION

3071 SW 38TH AVENUE
MIAMI, FLORIDA 33146-2221
305-665 7471
miamidade.gov

PUMP STATION No. 0000
FACILITY OFFICIAL ADDRESS: FLORIDA 33100-0000

SUBMERSIBLE SEWAGE PUMP STATION W/GENERATOR
 (WASD DESIGN STANDARD UPDATE 2012)

MECHANICAL PLAN, SECTIONS, DETAILS
 AND PUMP DATA

DRAWING HISTORY

RELEASED FOR	DATE	B
REVIEW 30%		
REVIEW 70%		
REVIEW 100%		
PERMIT		

REVISIONS

No.	DESCRIPTION	DATE

APPROVALS

CHIEF ENGINEER

SECTION HEAD:

PROJECT MGR.:

DESIGNED: X.X.X

DRAWN: X.X.X.

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XXXX
XXXXXX

State of Florida
Date

ER No. : S0000

FILE NAME: 000

DATE: AUG. 31,

SHEET

DWC No.

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